



UNITED STATES AIR FORCE

JOB INVENTORY

(MANUSCRIPT FOR DISK SURVEY)

COMPUTER, NETWORK, SWITCHING
AND CRYPTOGRAPHIC SYSTEMS

AFSC 2E2X1

OSSN 2508

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OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION and TRAINING COMMAND
1550 5TH STREET EAST
RANDOLPH AFB, TEXAS 78150-4449

20030905 126

476 Reno-Tahoe IAP NV
478 Rhein-Main AB GE
480 Richard E. Byrd Field VA
486 Rickenbacker ANGB OH
490 Robins AFB GA
492 Rosecrans Memorial Apt MO
498 Savannah IAP GA
500 Schenectady Apt NY
502 Schriever AFB CO
504 Scott AFB IL
506 Selfridge ANGB MI
508 Sembach AB GE
510 Seymour Johnson AFB NC
512 SHAPE BE
514 Shaw AFB SC
516 Sheppard AFB TX
518 Sioux Gateway Apt IA
522 South Portland AGS ME
524 Spangdahlem AB GE
526 Spokane IAP WA
528 Springfield-Beckley Municipal
Apt OH
530 Standiford Field KY
532 Stewart IAP NY
544 Tinker AFB OK
546 Toledo Express Apt OH
548 Travis AFB CA
552 Tucson IAP AZ
554 Tulsa IAP OK
558 Tyndall AFB FL
564 Vandenberg AFB CA
566 Volk Field WI
570 W.K. Kellogg Apt MI
572 Washington Cty DC
574 Westover ARB MA
576 Wheeler AAF HI
578 Whiteman AFB MO
582 Will Rogers World Apt OK
584 Willow Grove ARS PA
586 Wright-Patterson AFB OH
590 Yeager Apt WV
592 Yokota AB JA
594 Yong San AIN KOR
596 Youngstown-Warren Reg
Apt/ARS OH
764 White Sands Missile Range
900 Other

BASE TO WHICH ASSIGNED

Read the list of bases and installations. Indicate the base or installation to which you are assigned.

100 Abston ANGB AL	222 Ellington Field TX	356 Lajes Field PO
102 Alcoa AGS TN	224 Ellsworth AFB SD	358 Lakenheath RAF UK
112 Andersen AFB GU	226 Elmendorf AFB AK	360 Lambert-St Louis IAP MO
114 Andrews AFB MD	228 Fairchild AFB WA	362 Langley AFB VA
116 Ankara TU	232 FE Warren AFB WY	368 Lincoln Municipal Apt NE
120 Arlington Cty AIN VA	234 Forbes Field KS	370 Little Rock AFB AR
124 Atlantic City IAP NJ	236 Fort Smith Regional Apt AR	372 Los Angeles AFB CA
126 Aviano AB IT	238 Fort Wayne IAP IN	378 Luke AFB AZ
130 Bangor IAP ME	240 Fort Worth NAS JRB TX	380 MacDill AFB FL
132 Barksdale AFB LA	242 Francis S. Gabreski IAP NY	382 Malmstrom AFB MT
133 Badin NC	244 Fresno Air Terminal CA	384 Mansfield Lahm Apt OH
134 Barnes Municipal Apt MA	246 Coventry RI	386 March ARB CA
136 Beale AFB CA	250 Ft Bragg NC	388 Martin State Apt MD
138 Bellingham IAP WA	254 Ft George G. Meade MD	390 Maxwell AFB AL
139 Barking Sands ANX HI	256 Ft Gordon GA	392 Maxwell AFB Gunter Annex AL
140 Birmingham Apt AL	258 Ft Hood TX	394 Griffiss AFB NY
144 Blue Ash AGS OH	264 Garland AGS TX	394 McChord AFB WA
146 Boise Air Field ID	266 Geilenkirchen AB GE	398 McConnell AFB KS
148 Bolling AFB DC	268 General Mitchell IAP/ARS WI	400 McEntire ANGB SC
150 Bradley IAP CT	274 Goodfellow AFB TX	402 McGhee-Tyson ANGB TN
152 Brooks AFB TX	280 Grand Forks AFB ND	404 McGuire AFB NJ
154 Buckley AFB CO	282 Great Falls IAP MT	406 Memphis IAP TN
156 Burlington IAP VT	284 Greater Peoria Apt IL	408 Mildenhall RAF UK
158 Camp Humphreys KOR	286 Greater Pittsburgh IAP/ARS PA	410 Minn-St Paul IAP/ARS MN
162 Camp Red Cloud KOR	288 Grissom ARB IN	412 Minot AFB ND
164 Cannon AFB NM	290 Gulfport-Biloxi Regional Apt MS	414 Misawa AB JA
166 Cape Canaveral AFS FL	292 Hancock Field NY	416 Moffett NAS CA
170 Capital Municipal Apt IL	294 Hanscom AFB MA	418 Molesworth RAF UK
172 Carswell ARB TX	296 Harrisburg IAP PA	420 Moody AFB GA
176 Channel Islands AGS CA	298 Hayward Municipal Apt CA	424 Mountain Home AFB ID
178 Charleston AFB SC	300 Hector IAP ND	426 Nashville IAP TN
180 Charlotte/Douglas IAP NC	302 Hickam AFB HI	428 Nellis AFB NV
182 Cheyenne Mountain AFS CO	304 Hill AFB UT	429 Hunter AIN GA
184 Cheyenne Municipal Apt WY	306 Holloman AFB NM	432 New Castle County Apt DE
186 Clear AFS AK	308 Homestead ARB FL	434 New Orleans NAS JRB LA
188 Columbus AFB MS	310 Hulman Regional Apt IN	436 Niagara Falls IAP/ARS NY
190 Croughton RAF UK	312 Hurlburt Field FL	438 Norfolk NAS VA
192 Dallas IAP TX	314 Incirlik AB TU	440 North Bay CAN
194 Dannelly Field AL	316 Indian Springs AF Aux Field NV	442 Offutt AFB NE
196 Davis-Monthan AFB AZ	320 Izmir AS TU	444 Onizuka AFS CA
198 Des Moines IAP IA	322 Jacksonville IAP FL	446 Orange ANGB CT
202 Dobbins ARB GA	324 Joe Foss Field SD	448 Osan AB KOR
203 Camp Murray AIN WA	326 Kadena AB JA	450 Otis ANGB MA
204 Dover AFB DE	450 Kahului HI	452 Papago AIN AZ
208 Duluth IAP MN	328 Kalkar AS GE	454 Patrick AFB FL
210 Camp Rilea AIN OR	330 Kapaun AS GE	456 Pease ANGS NH
210 Dyess AFB TX	332 Keesler AFB MS	460 Pentagon Wash DC
212 Eastern WV Reg Apt/Shepherd Fld WV	334 Keflavik AS IC	462 Peterson AFB CO
214 Edwards AFB CA	336 Kelly AFB TX	464 Pope AFB NC
216 Eglin AF Aux Fld #3 FL	346 Kirtland AFB NM	466 Portland IAP OR
218 Eglin AFB FL	348 Kulis ANGB AK	470 Quonset State Apt RI
220 Eielson AFB AK	350 Kunsan AB KOR	472 Ramstein AB GE
	354 Lackland AFB TX	474 Randolph AFB TX

COMMAND TO WHICH ASSIGNED

Read the list of MAJCOMs/agencies. Indicate the MAJCOM/agency to which you are assigned. (Air National Guard and Reserve Unit personnel should indicate such.)

- 100 Air Combat Command
- 101 Air Education and Training Command
- 102 Air Force Agency for Modeling and Simulation
- 109 Air Force Communications Agency
- 115 Air Force Elements Defense Information System Agency
- 116 Air Force Elements Defense Intelligence Agency
- 119 Air Force Elements Defense Nuclear Agency
- 120 Air Force Elements Europe
- 125 Air Force Elements United States Atlantic Command
- 126 Air Force Elements United States Central Command
- 127 Air Force Elements United States Pacific Command
- 128 Air Force Elements United States Southern Command
- 129 Air Force Elements United States SPACECOM
- 130 Air Force Elements United States Special Operations Command
- 112 Air Force Elements (other)
- 138 Air Force Materiel Command
- 140 Air Force News Agency
- 174 Air Force Operational Test and Evaluation Center
- 144 Air Force Pentagon Communications Agency
- 142 Air Force Special Operations Command
- 150 Air Force Reserve Unit
- 152 Air Force Safety Center
- 155 Air Force Space Command
- 135 Air Intelligence Agency
- 159 Air Mobility Command
- 139 Air National Guard Unit
- 165 Headquarters United States Air Force
- 166 Headquarters United States European Command
- 175 Pacific Air Forces
- 179 United States Air Forces, Europe
- 180 United States Strategic Command
- 200 Other (Specify on blank page at end of booklet.)

1. Are you assigned to a base or installation which is located outside the continental U.S.?

Yes
No

2. How do you find your job? Choose only one.

Extremely Dull
Very Dull
Fairly Dull
So-So
Fairly Interesting
Very Interesting
Extremely Interesting

3. How does your job utilize your talents? Choose only one.

Not At All
Very Little
Fairly Well
Quite Well
Very Well
Excellent
Perfectly

4. How does your job utilize your training? Choose only one.

Not At All
Very Little
Fairly Well
Quite Well
Very Well
Excellent
Perfectly

5. How satisfied are you with the sense of accomplishment you gain from your work? Choose only one.

Extremely Dissatisfied
Very Dissatisfied
Slightly Dissatisfied
Neither Satisfied Nor Dissatisfied
Slightly Satisfied
Very Satisfied
Extremely Satisfied

6. Do you plan to reenlist at the end of your current enlistment? Choose only one.

Will Retire (I will have completed at least 20 years' service)
Definitely Will Not Reenlist
Probably Will Not Reenlist
Probably Will Reenlist
Definitely Will Reenlist

7. Examine each factor and determine whether it influenced your decision to separate. Choose all that apply. After you have selected all of the appropriate items, you will be asked to rate their relative importance.

Military lifestyle
Pay and allowances
Bonus or special pay
Retirement benefits
Military related education and training opportunities
Off-duty education and training opportunities
Medical or dental care for AD member
Medical care or dental care for family members
Base housing
Base services
Childcare needs
Spouse's career
Civilian job opportunities
Equal employment opportunities
Number of PCS moves
Location of present assignment
Number/duration of TDYs or deployments
Work schedule
Additional duties
Job security
Enlisted evaluation system
Promotion opportunities
Training/experience of unit personnel
Unit manning
Unit resources
Unit readiness
Recognition of efforts
Esprit de corps/morale
Leadership of immediate supervisor
Leadership at unit level
Senior Air Force leadership

8. Examine each factor and determine whether it influenced your decision to reenlist. Choose all that apply. After you have selected all of the appropriate items, you will be asked to rate their relative importance.

Military lifestyle
Pay and allowances
Bonus or special pay
Retirement benefits
Military related education and training opportunities
Off-duty education and training opportunities
Medical or dental care for AD member
Medical care or dental care for family members
Base housing
Base services
Childcare needs
Spouse's career
Civilian job opportunities
Equal employment opportunities
Number of PCS moves
Location of present assignment
Number/duration of TDYs or deployments
Work schedule
Additional duties
Job security
Enlisted evaluation system
Promotion opportunities
Training/experience of unit personnel
Unit Manning
Unit resources
Unit readiness
Recognition of efforts
Esprit de corps/morale
Leadership of immediate supervisor
Leadership at unit level
Senior Air Force leadership

9. Indicate the number of deployments you completed in support of contingencies or exercises during the past 12 months. Choose only one.

None, I did not complete any deployments in support of contingencies or exercises during the past 12 months
1 deployment
2 deployments
3 deployments
4 deployments
5 deployments
6 deployments or more

10. Indicate the number of days during the past 12 months you have spent on temporary duty (TDY) in support of contingencies or exercises. Choose only one.

30 days or less
31 - 59 days
60 - 89 days
90 - 119 days
120 - 149 days
150 - 179 days
180 days or more

11. Indicate the schedule which most closely describes the schedule you normally work in your present job. Choose only one.

Day Shift (such as 0700-1600)
Swing Shift (such as 1600-2400)
Mid Shift (such as 2400-0700)
12-Hour Day (such as 0600-1800)
12-Hour Night (such as 1800-0600)
Rotating 8-Hour Shifts (Day-Swing-Mid)
Rotating 12-Hour Shifts
Compressed Workweek
Variable depending on workload or season

12. Indicate the job title which best describes your present job. Choose only one.

Airborne Computer Maintainer
Assistant Chief of Maintenance
Assistant Crew Chief
Assistant Workcenter Supervisor
Career Development Course (CDC) Writer
Chief of Maintenance
Communications Security (COMSEC) Manager
Computer Operator
Computer Systems Monitor
Computer Systems or Peripheral Equipment Technician
Computer, Networking, Cryptographic and Switching (CNCS) Systems Technician
Course Manager
Crew Chief
Data Maintenance Technician
Depot-Level Maintainer
Flight Chief
Help Desk Technician
Infrastructure Technician
Internet Services Technician
Job Controller
Logistics Monitor
Maintenance Controller
Maintenance Supervisor
Maintenance Supporter
Missile Warning Technician
Mission Security (MSEC) Manager
Network Control Center (NCC) Technician

Network Engineer
Network Management Systems/Base Information Protection (NMSBIP) Technician
Plans and Scheduling Technician
Quality Assurance Evaluator (QAE)
Secure Telephone Switch Technician
Server Administrator
Strategic Communications (STRATCOM) Technician
Technical Controller
Technical Training Instructor Supervisor
Technical Training Instructor
Test Range Missile Communications System Technician
Theater Battle Management Systems (TBMS) Technician
Training Noncommissioned Officer (NCO)
Unmanned Aerial Vehicle (UAV) Communications Maintainer
Wing or Higher Headquarters Staff NCO
Workcenter Supervisor
Workgroup Manager
Other

13. Indicate the functional or work area which best describes where you spend most of your time in your present job. Choose only one.

Administration
Air Force Mission Support System (AFMSS) Maintenance
Air Force Network Control Center (AFNCC)
Air Operations Center (AOC)
Aircraft or Simulator Maintenance
Analysis, Records, or Reports
CNCS Systems Maintenance
Command Staff Agency
Computer Programming, Systems Analysis, or Configuration Management
Data Maintenance
Defense Red Switch Network (DRSN) Maintenance
Depot-Level Maintenance
Engineering and Installation
Field Equipment Removal or Reconfiguration
Field Maintenance
Joint Surveillance System (JSS) Maintenance
Logistics or Supply
Maintenance or Job Control
Materiel Control
Missile Warning
Modular Control Equipment (MCE) Maintenance
Plans and Scheduling
Quality Assurance
Quality Control
Small Computer Maintenance
STRATCOM Maintenance
Switching Maintenance
Technical Publications
Test Range Missile Communications Systems Maintenance
Test Support
Theatre Battle Management Systems (TBMS) Maintenance
Theatre Deployable Communications (TDC)

Training, Field
Training, Resident
Other

14. Indicate the maintenance level to which you are **presently** assigned. Choose only one.

None, I am **not** assigned to maintenance
Depot Maintenance
Field Maintenance, Intermediate
Mobile/Tactical Maintenance
Organizational Maintenance
Other

15. Indicate which AFSC you held immediately prior to the conversion to AFSC 2E2X1 on Oct 00. Choose only one.

None, I entered the Air Force after Oct 00
2E2X1, Electronic Computer and Switching Systems
2E3X1, Secure Communications Systems
Other

16. Indicate which career field related courses listed below you have completed. Choose all that apply.

None, I have not completed any of the listed courses
E3ABR2E231 001 Electronic Computer and Switching Systems
E3ABR2E231 002 Computer, Network, Cryptographic and Switching Systems
E3ABR2E231A 001 Electronic Computer and Switching Systems Modular Control Equipment (MCE)
E3ABR2E231B 000 Electronic Computer and Switching Systems Airborne Warning and Control Systems (AWACS)
E3ABR2E231C 000 Electronic Computer and Switching Systems Strategic Automated Command and Control Systems (SACCSs)
Other

17. Indicate which air defense and warning systems configuration items you maintain in your present job. Choose all that apply.

None, I do not maintain any air defense and warning systems configuration items in my present job
1Q-1(R)B Predator UAVs
Airborne Warning and Control Systems (AWACSS)
AN/FSC-103, Communications System Segment Replacements
AN/FSC-109, Secure Communications Integration Systems (SCISs)
AN/FSC-116, Communications Gateway Processors
AN/FSQ-146, Warning Display Terminals
AN/FYC-14, Communications System Segment Replacements
AN/FYQ-101, Missile Warning Bypasses (MWBPs)
AN/FYQ-103(V), Communications System Segment Replacement Technical Control Subsystems

AN/FYQ-122(V), Communications System Segment
Replacement Message Processing and Distribution
Subsystems
AN/FYQ-124, Command Center Processing and Display
System Replacements (CCPDS-Rs)
AN/FYQ-125, Processing and Display Subsystems
AN/FYQ-156, Warning Display Terminals
AN/FYQ-65, Communications System Segments
AN/FYQ-68, Modular Display Systems
AN/FYQ-93, Joint Surveillance Systems (JSSs)
AN/G1C-21(V), Communications Sets
AN/GSC-58(V)1-4, Digital Data Communications Sets
AN/GSQ-235(V)2, AWACS Digital Information Links
AN/GSQ-238, Digital Communications Control Sets (HUB)
AN/GYQ-T2, Data Processor/Display Maintenance Simulator
Sets (DP/DMSSs)
AN/UYC-13(V)1, Secure Survivable Communications
Networks (SSCNs)
AN/UYK-47, ADP Systems
Missile Warning Display Terminals
PARSEC IIs
RADILs
Other

18. Indicate which strategic communications (STRATCOM) configuration items you maintain in your present job. Choose all that apply.

None, I do not maintain any STRATCOM configuration items in my present job
C-3937/GTC, Telephone Transmitter Control (TTC) Panels
C-6138/GSW-9(V), Communications Control System Drawers
C-6230/GSW-5, Communications Control Panels
CP-1523, Control Electronic Drawers (CEDs)
DT-2525/GYK-2, Audio Frequency Detector Drawers
DT-286/GSW-6(V), Drawers
ID-1035/GTC, Fault-Locating Indicator Drawers
ID-1199/GTC-15, Fault-Locating Indicator Drawers
ID-2295, Summary Fault Units (SFUs)
ID-2296, SFUs
International Maritime Satellite Telephone Systems
(INMARSATs)
LS-507/GSQ-83(V), Intercommunications Station Drawers
Missile Control Communications Systems (MCCSs)
MU-739, Mass Storage Units (MSUs)
MU-740, Disc Storage Units (DSUs)
MU-741, Magazine Disc Units (MDUs)
NORSTAR Systems
PP-3185/GTC-8, Power Supplies
PP-3185A/GTC-8, Power Supplies
PP-3186/GTC-9, Power Supplies
PP-3186A/GTC-9, Power Supplies
PP-7811, Power Supply Drawers
Rapid Execution and Combat Targeting (REACT) Systems
SA-1180/GSW-9(V), Telephone Selector Switch Drawers
Strategic Automated Command and Control Systems
(SACCSs)

TA-463/GTC-8, Telephone Repeater Drawers
TA-464/GTC-8, Telephone Repeater Drawers
TA-465/GTC-9, Telephone Repeater Drawers
TA-465A/GTC-9, Telephone Repeater Drawers
TA-493/GTC, Telephone Repeater Drawers
TA-501/GTC, Telephone Receiver-Repeater Drawers
TA-503/GTC, Telephone Line Equalizers
TA-547/GS, Telephone Repeater Drawers
TA-549/GRC-132, Telephone Repeater Drawers
TA-552/GSQ-83(V), Telephone Drawers
TA-553/GSW-9(V), Telephone Drawers
TA-554/GSW-9(V), Telephone Drawers
TA-555/GSW-9(V), Telephone Repeater-Bridge Drawers
TA-617/GT, Telephone Repeater Drawers
TELLABs
TS-2060/GSQ-83(V), Launch Control Facility Fault Isolator
Drawers
SACCS Desktop Terminals (SDTs)
SACCS Port Expansion Processors (PEPs)
Other

19. Indicate which tactical or mobile systems configuration items you maintain in your present job. Choose all that apply.

None, I do not maintain any tactical or mobile systems configuration items in my present job
AN/FTC-28/29, Fixed Telephone Central Systems
AN/TSC-110(V), Adaptable Surface Interface Terminal
(ASIT)/Joint Tactical Information Distribution Systems
(JTIDSs)
AN/TSQ-111, Communication Nodal Control Elements
(CNCEs)
AN/TSQ-165, Mobile Air Operations Central Systems
AN/TSQ-188, Compact Digital Switches (CDSs)
AN/TSQ-214, Air Defense System Interrogators (ADSIs)
AN/TTC-32, Manual Switches
AN/TTC-39/39A(V)3/39A(V)4, Automatic Circuit Switches
AN/TTC-42, Electronic Switches
AN/TYC-39, Message Switches
AN/TYQ-23, Modular Control Equipment (MCE)
AN/TYQ-61, Air Force Mission Support Systems (AFMSSs)
AN/USR-7, Combat Intelligence Systems (CISs)
AN/UYC-9, Tactical Secure Data Communications (TASDAC)
Systems
CM-D-811235, Field Cables
Computer Assisted Force Management Systems (CAFMSs)
Constant Source Tactical Receive Systems
Contingency Theater Automated Planning Systems (CTAPSS)
CS11230, Coaxial Cables
CV-4180(V)2/T, Line Termination Units (LTUs)
Digital Communications Terminals (DCTs)
Flight Data Input/Output (FDIO) Systems
J-1077A/U, Junction Boxes
KY68, Digital Voice Subscriber Terminals
Low Rate Multiplexers (LRMs)
Multirate Voice Circuits (MRVCs)
Remote Multiplexer Combiners (RMCs)

S-280, Maintenance Shelters
S-530, Maintenance Shelters
SB-3614, Telephone Switchboards
SB-3865 Unit Level Circuit Switches
TA-1042, Telephone Sets
TA-312A/PT, Telephone Sets
TA-838A, Telephone Sets
TA-954, Digital Telephone Sets
Theater Integrated Situation Displays (TISDs)
Transportable Shelter Systems (TSSs)
Other

20. Indicate which Air Force Satellite Control Network (AFSCN) configuration items you maintain in your present job. Choose all that apply.

None, I do not maintain any AFSCN configuration items in my present job
AN/FCC-103, Narrow Band Systems
AN/FSC-117, Operations Secure Voice Switches
AN/FSC-118, Wideband Direct Connectivity Systems
AN/FSC-120, Control and Monitor Systems
AN/FSC-122, CSOC-CSTC Wideband Systems
AN/FSH-16, Record Storage Playback Units
AN/FSQ-172, Timing Subsystems
AN/FSQ-185, Traffic Switch Elements
AN/FSQ-195, Traffic Switch Control Systems
Other

21. Indicate which computer operating systems you use or operate in your present job. Choose all that apply.

None, I do not use or operate any computer operating systems in my present job
Banyan
CP/M
JOVIAL
MS-DOS
Novell
OS/2
System 7
Unix
VMS
Windows 3.1
Windows 95/98
Windows NT/2000/XP
Other

22. Indicate which computer system processors you maintain in your present job. Choose all that apply.

None, I do not maintain any computer system processors in my present job
Chromatic CX 2000
DEC 2100
DEC 3100
DRSN Alpha Processor

H5118ME
HMP-1116
IBM 4PI
IBM 390 Mainframe
IBM 3090 Mainframe
IBM-Compatible Personal Computer (PC)
IBM RS 6000-Series Workstation
Litton 3050
Litton 3212
Motorola 68000-Series
Rapid Message Processor
Stratus XA 2000
Sun Sparc Station
VAX 3540
VAX 4000-90
VAX 4300
VAX 6000-520
VAX 7000
VAX 8550
Other

23. Indicate which computer system peripherals you maintain in your present job. Choose all that apply.

None, I do not maintain any computer system peripherals in my present job
AN/FCC-100 Multiplexers
Bernoulli Drives
CD-ROMs
Controllers
Decoders, Video
Digital Display Indicators
Encoders, Video
Ethernet Transceivers
Finger-On-Glass (FOG) Devices
Hubs
Integrated Drive Electronics (IDE)
Interface Adapter Units
Keyboards
Monitors
Mouse Devices
Network Interfaces
Optical Light Pens
Pair Gain Modems
Plasma Display Units
Plotters
Printers, Bubble
Printers, Dot Matrix
Printers, Impact
Printers, Inkjet
Printers, Laser Jet
Printers, Line
Printers, Thermal
Projection Systems
Scanners
Small Computer System Interfaces (SCSIs)
Switches

Tape Backups	Gauges, Temperature
Tape Readers	Gauges, Vacuum
Teletypewriters	Generators, Audio Signal
Video Display Units (VDUs)	Generators, Distortion
Zip Drives	Generators, Pulse
Other	Generators, Signal, other than Audio
24. Indicate which test equipment you use or operate in your present job. Choose all that apply.	Generators, Sweep
	Generators, Test Pattern
None, I do not use or operate any test equipment in my present job	Generators, Test Tone
26600 Test Sets	Handset Test Sets
3550B Test Sets, such as Tripacks	Headset Test Sets
401G Test Panels	High-Voltage Probes
Ammeters	Hydrometers
AN/FMQ-10/11 Universal Test Sets	Impulse Noise Counters
AN/GSM-139 Test Sets	Inductive Amplifier
AN/GSM-315 Test Sets	Insulation Test Sets
AN/GSM-82 Test Sets	Laptop Computers
AN/GSM-85 Test Sets	Line Card Testers
AN/GTM-3 Test Sets	Linefinder Test Stands
AN/GTM-3A Test Sets	Lineprinter Test Sets
Analyzers, Digital Distortion	Logic Analyzers
Analyzers, Distortion, other than Digital	Loop Back Plugs
Analyzers, Logic	Magnetic Tape Transport (MTT) Test Sets
Analyzers, Protocol	Megohmmeters
Analyzers, Signature	Milliohmmeters
Analyzers, Spectrum	Milliwatt Meters
Audio Oscillators	Multimeters
Automated Test Equipment (ATE)	Network Analyzers
Bit Error-Rate Testers (BERTs), such as Fireberd	Network Probes
Breakout Boxes	Noise Generators
Bridging Transformers	Noise Measuring Test Sets
Cable Testers	Null Modems
Circuit Unit Test Sets	Oscilloscopes, Analog
Color Monitor Test Sets	Oscilloscopes, Digital
Comstates	Panel Test Sets
Connector Test Sets	Photometers, Handheld
Current Flow Test Sets	Photometers, Spectra Pritchard
Decade Capacitance Boxes	Power Meters
Decade Resistor Boxes	Power Supply Test Sets
Decibel Meters	Pressure Monitoring Set Test Sets
Dial Pulse Testers	Pulse Varying Machines
Differential Voltmeters	Pulsing Limits Test Sets
Digital Display Indicator (DDI) Test Sets	Reflectometers, Optical Time Domain
Digital Logic Probes	Reflectometers, Time Domain
Digital Voltmeters	Resistor Testers
Diode Checkers	Ringer Units
Distortion Analyzers	Selector Test Sets
Dummy Loads or Plugs	Signal Generators, Audio
Electronic Counters	Signal Generators, Visual
Fiber Optic Talk Sets	Signal Test Sets
Fiber Optic Test Sets	Skew Tapes
Frequency Counters	Slot Testers
Gauges, Force	SP-150 Stationman Probes
Gauges, Pressure	Spectrum Analyzers
	Stepping Switch Test Sets
	Strip Chart Recorders
	Suitcase Testers

T-33 Test Charts	KG-144
Test Set, Huntron 5100	KG-175
Test Sets, Category 5 Cable	KG-189
Test Sets, Ground	KG-194-series
Test Sets, HATS-2	KG-207
Test Sets, Network Probe	KGV-8/11
Test Sets, Telephone	KGV-61
Testers, STs	KGX-93
Testers, DS-3	KI-1-series
Testers, Pinpoint	KI-23/123
Testers, STX-34A	KI-25
Testers, T-1	KIK-18s
Testers, Transistor	KIK-28s
Torque Wrenches	KIV-19
Transmission Impairment Measurement Sets (TIMSs)	KIV-42
Transmission Test Sets	KIV-7-series
TS-451 Test Sets	KL-43
TS-452 Test Sets	KOI-18s
Voltmeters, 400-Series Vacuum Tube	KOK-1
Voltmeters, Differential	KOK-3
VT-100 Emulator Terminals	KOK-22
Watt Meters	KT-8-series
ZM-4BU Impedance Bridges	KT-83
Other	KW-46

25. Indicate which cryptographic equipment you use or maintain in your **present** job. Choose all that apply.

None, I do not use or maintain any cryptographic equipment in my present job	KY-57
BID-series	KY-58
Black Switch	KY-65
CI-10	KY-68
CV3951, ANDVT	KY-71-series
CYZ-10s	KY-75
Fixed Plant Adapters (FPAs)	KY-78
HGX-series	KY-90
HNF-5	KY-99-series
HNF-81-series	KY-100
HNF-3033	KYK-5s
HYX-57 Interface Devices	KYK-7s
HYX-58 Interface Devices	KYK-12s
KG-28/29 System	KYK-13s
KG-30-series	KYK-71s
KG-40	KYV-5
KG-40A	KYX-15s
KG-44B	Network Encryption Systems (NESs)
KG-45	Red Switch
KG-75	Sunburst Processor
KG-81	Other
KG-82	
KG-83	
KG-84-series	
KG-94-series	
KG-95	
KG-96	
KG-109	

26. Indicate which ancillary equipment you use or maintain in your present job. Choose all that apply.

None, I do not use or maintain any ancillary equipment in my present job	
AN/UGC-74s	
AN/UGC-129 Mobile Teletypewriters	
AN/UGC-144 Teletypewriters	
AN/UYK-83As/85As	
Analog Service Units (ASUs)	
Channel Service Units (CSUs)	

CI-13s	
Converters, Analog-to-Digital	Switches, Matrix
Converters, CV-2048	Timing Sources
Converters, CV-3951	TLC-100 Control Units
Data Service Units (DSUs)	Video Amplifiers
Digital Channel Banks	Video Teleconferencing (VTC) Equipment
Dual Phone Adapters (DPAs)	Other
Dual Trunk Adapters (DTAs)	
Facsimile (Fax) Machines, other than Secure Tactical	
Fax Machines, Secure Tactical	
Fiber Channel Banks	
Fiber Multiplexing Terminal (FMT)-150s	
Hubs	
IHUBs	
Integrated Digital Network Exchanges (IDNXs)	
Integrated Secure Telephones (ISTs)	
Modems, Digital	
Modems, Fiber Optic	
Multi-Channel Crypto Controllers (MC3s)	
Multiline Phones (MLPs)	
Multiplexers, Data	
Multiplexers, Digital Phone	
Multiplexers, Timeplex	
Multiplexers, Universal	
Multiplexers, Video	
Network Interface Controllers (NICs)	
NIDA 130/130A Trainers	
Patch Panels, Audio	
Patch Panels, Digital	
Power Supplies	
Radios, High Frequency (HF)	
Radios, Very High Frequency (VHF)	
Radios, Ultra High Frequency (UHF)	
Red/Black Converters, such as DRSN	
Repeaters	
Routers	
Secure Telephone Equipment (STE)	
Servers	
Singleline Phones (SLPs)	
SONET Transmission Manager (STM)-18s	
STU III Telephones	
STU IIR Remote Devices	
STU V Signal Converters	
Switches, Asynchronous Transfer Mode (ATM)	
Switches, Ethernet	

**A. PERFORMING GENERAL COMPUTER, NETWORK, SWITCHING, AND
CRYPTOGRAPHIC MAINTENANCE ACTIVITIES**

1. Analyze equipment outages or malfunction reports
2. Assemble or disassemble conference systems, such as public address (PA) or video teleconferencing (VTC) systems
3. Assemble or disassemble electrical switches
4. Assemble or disassemble mechanical switches
5. Bench check analog modems
6. Bench check bubble memory assemblies
7. Bench check buffers, controllers, or interfaces
8. Bench check built-in-test (BIT) equipment
9. Bench check call processing circuits
10. Bench check core memory assemblies
11. Bench check cryptographic equipment
12. Bench check digital modems
13. Bench check disc systems
14. Bench check display equipment, such as cathode ray tubes (CRTs)
15. Bench check keyboards
16. Bench check magnetic tape units
17. Bench check maintenance or operator panels or consoles
18. Bench check optical character or optical code readers
19. Bench check plotters
20. Bench check power supplies
21. Bench check printers
22. Bench check solid state memory assemblies
23. Check out or return route folders to maintenance control
24. Clean facilities
25. Clean intermediate distribution frames (IDFs)
26. Clean magnetic heads, other than during preventive maintenance inspections (PMIs)
27. Clean or lubricate equipment, other than IDFs
28. Clean or treat filters, other than during PMIs
29. Configure circuit paths for computer monitor systems
30. Configure circuit paths for computer remote systems
31. Configure circuit paths for data lines
32. Configure circuit paths for light indicators
33. Configure circuit paths for PA system speakers
34. Connect or disconnect power, power panels, or equipment leads
35. Coordinate dispatches with maintenance control
36. Coordinate equipment or system repairs with technical controllers
37. Coordinate gaining of access to cryptographic equipment with subscribers
38. Coordinate systems operation with distant stations to verify equipment operation
39. Coordinate telephone installation activities with base units or commercial telephone companies
40. Coordinate telephone installation activities with inside or outside plants
41. Coordinate telephone lease requirements with base procurement offices
42. Coordinate telephone leased equipment charges with appropriate agencies
43. Coordinate telephone leased equipment malfunctions with commercial telephone companies
44. Coordinate troubleshooting with inside or outside plant crews
45. Cross-connect intermediate frames or mainframes
46. Fabricate support items, cables, or connectors
47. Inspect analytical photogrammetric positioning systems (APPSs), other than during PMIs
48. Inspect antennas for corrosion
49. Inspect batteries for corrosion
50. Inspect batteries, other than during PMIs and other than for corrosion
51. Inspect bus bars for corrosion
52. Inspect cabinets for corrosion
53. Inspect cables for corrosion
54. Inspect communications-electronics (C-E) equipment for physical damages

55. Inspect electronic drawers for corrosion
56. Inspect frames for corrosion
57. Inspect mobilizers for corrosion
58. Inspect power distribution centers for corrosion
59. Inspect power panels for corrosion
60. Inspect station grounds for corrosion
61. Isolate integrated circuit (IC) malfunctions
62. Isolate test equipment malfunctions
63. Isolate system malfunctions to major system components
64. Isolate system malfunctions to transmission lines
65. Load or unload government vehicles for dispatch
66. Maintain corrosion control kits
67. Maintain extender boards or cables
68. Maintain intercom or order wire audio systems
69. Modify C-E equipment
70. Monitor C-E equipment outages
71. Monitor circuit operations
72. Notify communications control of arrivals, departures, or maintenance progress
73. Operationally check analog modems
74. Operationally check batteries
75. Operationally check bubble memory assemblies
76. Operationally check buffers, controllers, or interfaces
77. Operationally check call processing circuits
78. Operationally check conference systems, such as PA or VTC
79. Operationally check cryptographic equipment
80. Operationally check dial circuits
81. Operationally check digital modems
82. Operationally check disc systems
83. Operationally check display equipment
84. Operationally check electromechanical line or trunk circuits
85. Operationally check electronic line circuits
86. Operationally check fixed-transmission networks
87. Operationally check keyboards
88. Operationally check local area networks (LANs)
89. Operationally check LAN components, such as routers, servers, hubs, network interface controllers (NICs), or workstations
90. Operationally check magnetic tape units
91. Operationally check maintenance or operator panels or consoles
92. Operationally check matrix circuits
93. Operationally check multiplexers
94. Operationally check optical light pens
95. Operationally check plain or cipher operations
96. Operationally check power distribution systems
97. Operationally check power supplies
98. Operationally check printers
99. Operationally check processors
100. Operationally check radio set controls
101. Operationally check receivers, other than analog or digital modems
102. Operationally check register circuits
103. Operationally check scanner circuits
104. Operationally check solid state memory assemblies
105. Operationally check spare boards
106. Operationally check tactical-transmission networks
107. Operationally check test equipment
108. Pack or tag components or spare parts
109. Pack or unpack C-E equipment, other than for deployment
110. Perform amplitude response tests
111. Perform bit error rate tests (BERTs)

112. Perform corrosion control procedures on equipment or supplies
113. Perform data destruct procedures
114. Perform differential delay tests
115. Perform emissions security (EMSEC) inspections on equipment
116. Perform equipment power-up or power-down procedures
117. Perform frequency response tests
118. Perform general electrostatic discharge (ESD) procedures
119. Perform impulse noise transmission tests
120. Perform loop resistance or insulation tests
121. Perform network management procedures
122. Perform over-the-air transfers
123. Perform patch panel procedures, other than red-black
124. Perform quality control (QC) or technical inspections
125. Perform red-black patch and test panel procedures
126. Perform site survey evaluations
127. Perform strapping options on equipment
128. Perform switch pack or dual inline packet (DIP) switch options on circuit boards
129. Perform system recovery procedures
130. Perform transmission level tests
131. Perform wire-wrap terminations
132. Perform operator maintenance on test equipment
133. Perform preflight inspections on aircraft cryptographic equipment
134. Perform self-test procedures on card testers
135. Perform self-test procedures on drawer testers
136. Perform self-test procedures on test equipment
137. Program C-E equipment for modes of operation
138. Read, interpret, or maintain circuit diagrams
139. Reconfigure equipment racks
140. Remove or replace cabinet minor hardware
141. Remove or replace electrical components, such as capacitors, resistors, or diodes, other than IC components
142. Remove or replace fan or blower assemblies
143. Remove or replace IC components
144. Remove or replace level converters
145. Remove or replace red-black patch and test facility modules or components
146. Remove or replace wiring
147. Repair factory wiring faults
148. Repair radio frequency interference (RFI) door shieldings
149. Replace EMSEC components, such as radio frequency (RF) gaskets
150. Select modes of operation for C-E equipment
151. Service batteries
152. Set up or tear down antennas
153. Solder electrical connections, other than IC components or multilayer boards
154. Solder IC components using high-reliability soldering
155. Solder IC components using microminiature soldering
156. Solder multilayer boards using high-reliability soldering
157. Solder multilayer boards using microminiature soldering
158. Straighten terminal block terminals
159. Test battery cell voltages
160. Test circuits for grounds, opens, or shorts
161. Test equipment or facility grounds
162. Trace calls using log reports
163. Trace calls using trunking schematics or bay cards
164. Trace calls using visual display units (VDUs)
165. Trace electronic circuits
166. Verify authorized modifications of C-E equipment
167. Visually inspect computer air-cooling hoses for leaks
168. Visually inspect switch packs on circuit boards

169. Wire jumpers or program boards
170. Wire power distribution systems

**B. PERFORMING GENERAL ALIGNMENT, FAULT ISOLATION, AND
PREVENTIVE MAINTENANCE INSPECTION (PMI) ACTIVITIES**

171. Adjust or align analog modems
172. Adjust or align antennas
173. Adjust or align audio amplifiers
174. Adjust or align BIT equipment
175. Adjust or align buffers, controllers, or interfaces
176. Adjust or align call processing circuits
177. Adjust or align circuit cards or electrical card assemblies
178. Adjust or align coils
179. Adjust or align consoles
180. Adjust or align digital modems
181. Adjust or align disc systems
182. Adjust or align display equipment, such as CRTs
183. Adjust or align electrical relays
184. Adjust or align electrical switches
185. Adjust or align equalizer charging loads
186. Adjust or align light indicators
187. Adjust or align line circuits
188. Adjust or align loop or trunk circuits
189. Adjust or align magnetic tape units
190. Adjust or align mechanical relays
191. Adjust or align mechanical switches, other than stepping switches
192. Adjust or align multiplexers
193. Adjust or align optical character or optical code readers
194. Adjust or align plotters
195. Adjust or align power supplies
196. Adjust or align printers
197. Adjust or align pushbutton switch contacts
198. Adjust or align receivers, other than analog or digital modems
199. Adjust or align stepping switches
200. Adjust or align switch contacts, other than pushbutton types
201. Adjust or align transformers
202. Adjust or align transmitters
203. Adjust or align vacuum pumps
204. Adjust or align vacuum switches
205. Adjust or align voltage control crystal oscillators
206. Adjust or align wiper contacts
207. Discriminate between hardware and software failures
208. Isolate APPS malfunctions to cards or subassemblies
209. Isolate battery charger faults
210. Isolate BIT test equipment malfunctions to cards or subassemblies
211. Isolate bubble memory assembly malfunctions
212. Isolate buffer, controller, or interface malfunctions
213. Isolate call processing circuit malfunctions
214. Isolate circuit card malfunctions using automated test equipment (ATE)
215. Isolate circuit card malfunctions using card testers
216. Isolate circuit card malfunctions using test equipment, other than ATE
217. Isolate core memory assembly malfunctions
218. Isolate cryptographic equipment malfunctions
219. Isolate data destruct system malfunctions
220. Isolate disc system malfunctions
221. Isolate display equipment malfunctions, such as CRTs

222. Isolate distribution frame malfunctions
223. Isolate electromechanical line or trunk circuit malfunctions
224. Isolate factory wiring faults
225. Isolate fixed-transmission network malfunctions
226. Isolate keyboard component malfunctions
227. Isolate LAN component malfunctions, such as routers, servers, or hubs
228. Isolate line circuit malfunctions
229. Isolate link circuit malfunctions
230. Isolate magnetic tape unit malfunctions
231. Isolate maintenance or operator panel or console malfunctions
232. Isolate matrix circuit malfunctions
233. Isolate mobile switching center interface circuit malfunctions
234. Isolate modem circuit card or subassembly malfunctions
235. Isolate modem component malfunctions
236. Isolate multiplexer malfunctions
237. Isolate optical character or optical code reader malfunctions
238. Isolate plotter malfunctions
239. Isolate power supply malfunctions
240. Isolate printer malfunctions
241. Isolate processor malfunctions
242. Isolate register circuit malfunctions
243. Isolate scanner circuit malfunctions
244. Isolate solid state memory assembly malfunctions
245. Isolate switch comparator circuit malfunctions
246. Isolate switchboard malfunctions, other than tactical switchboards
247. Isolate tactical switchboard malfunctions
248. Isolate tactical-transmission network malfunctions
249. Isolate malfunctions to decoders
250. Isolate malfunctions to encoders
251. Isolate malfunctions to error in programming procedure
252. Isolate malfunctions to video amplifiers
253. Isolate malfunctions to video multiplexers
254. Isolate malfunctions to alert facility paging circuits
255. Isolate malfunctions to amplifiers
256. Isolate malfunctions to audible alarms
257. Isolate malfunctions to base siren circuits
258. Isolate malfunctions to buffers, controllers, or interfaces
259. Isolate malfunctions to cannon plugs
260. Isolate malfunctions to central office switchboards
261. Isolate malfunctions to circuit bridges
262. Isolate malfunctions to computer monitor circuits
263. Isolate malfunctions to computer remote circuits
264. Isolate malfunctions to conference systems, such as PA or VTC
265. Isolate malfunctions to connecting blocks, other than spade-tipped or modular connecting blocks
266. Isolate malfunctions to core memory assemblies
267. Isolate malfunctions to cryptographic equipment
268. Isolate malfunctions to cypherlock release circuits
269. Isolate malfunctions to data lines
270. Isolate malfunctions to dial lines
271. Isolate malfunctions to digital modems
272. Isolate malfunctions to direct lines
273. Isolate malfunctions to disc systems
274. Isolate malfunctions to display equipment, such as CRTs
275. Isolate malfunctions to distribution frames
276. Isolate malfunctions to duress or intrusion alarm circuits
277. Isolate malfunctions to electronic ringer units
278. Isolate malfunctions to emergency evacuation alarms, such as bailout circuits

279. Isolate malfunctions to equalizer charging loads
280. Isolate malfunctions to inside wiring
281. Isolate malfunctions to intermediate frames or mainframes
282. Isolate malfunctions to jack terminals
283. Isolate malfunctions to jumpers
284. Isolate malfunctions to junction boxes
285. Isolate malfunctions to keyboards
286. Isolate malfunctions to LAN components, such as routers, servers, hubs, NICs, or workstations
287. Isolate malfunctions to light indicators
288. Isolate malfunctions to line filters
289. Isolate malfunctions to magnetic tape units
290. Isolate malfunctions to maintenance or operator panels or consoles
291. Isolate malfunctions to modular connecting blocks
292. Isolate malfunctions to multiline links
293. Isolate malfunctions to multipin connectors
294. Isolate malfunctions to multiple-pair protected terminals
295. Isolate malfunctions to multiplexers
296. Isolate malfunctions to nonswitched circuits
297. Isolate malfunctions to optical light pens
298. Isolate malfunctions to plotters
299. Isolate malfunctions to power distribution panels
300. Isolate malfunctions to power distribution systems
301. Isolate malfunctions to power supplies
302. Isolate malfunctions to premise extension circuits
303. Isolate malfunctions to printers
304. Isolate malfunctions to processors
305. Isolate malfunctions to recorders
306. Isolate malfunctions to single-pair protected terminals
307. Isolate malfunctions to singleline links
308. Isolate malfunctions to solid state memory assemblies
309. Isolate malfunctions to spade-tipped connecting blocks
310. Isolate malfunctions to switchboards, other than tactical switchboards
311. Isolate malfunctions to tactical switchboards
312. Isolate malfunctions to teletypewriters
313. Isolate malfunctions to timing subsystems
314. Isolate malfunctions to tone generators
315. Isolate malfunctions to voice-activated communication sets
316. Perform PMIs on APPSs
317. Perform PMIs on analog modems
318. Perform PMIs on antennas
319. Perform PMIs on batteries
320. Perform PMIs on battery chargers
321. Perform PMIs on BIT equipment
322. Perform PMIs on blowers or cooling fans
323. Perform PMIs on bubble memory assemblies
324. Perform PMIs on buffers, controllers, or interfaces
325. Perform PMIs on cabinets, racks, or subfloors
326. Perform PMIs on conference systems, such as PA or VTC
327. Perform PMIs on digital modems
328. Perform PMIs on disc systems
329. Perform PMIs on display equipment, such as CRTs
330. Perform PMIs on electrical switches
331. Perform PMIs on electronic ringer units
332. Perform PMIs on intermediate frames or mainframes
333. Perform PMIs on keyboards
334. Perform PMIs on LAN components, such as routers, servers, or hubs
335. Perform PMIs on magnetic tape units

- 336. Perform PMIs on maintenance or operator panels or consoles
- 337. Perform PMIs on matrix assemblies
- 338. Perform PMIs on mechanical switches
- 339. Perform PMIs on multiplexers
- 340. Perform PMIs on optical character or optical code readers
- 341. Perform PMIs on optical light pens
- 342. Perform PMIs on plotters
- 343. Perform PMIs on power distribution systems
- 344. Perform PMIs on power plants, such as inverters or converters
- 345. Perform PMIs on power supplies
- 346. Perform PMIs on processors
- 347. Perform PMIs on receivers, other than analog or digital modems
- 348. Perform PMIs on relays
- 349. Perform PMIs on RF equipment
- 350. Perform PMIs on signal frequency (SF) equipment
- 351. Perform PMIs on solid state memory assemblies
- 352. Perform PMIs on special test equipment
- 353. Perform PMIs on switchboards, other than tactical switchboards
- 354. Perform PMIs on tactical switchboards
- 355. Perform PMIs on tone generators
- 356. Perform PMIs on vacuum pumps
- 357. Perform PMIs on vacuum switches

**C. REMOVING OR REPLACING GENERAL COMPUTER, NETWORK, SWITCHING,
AND CRYPTOGRAPHIC EQUIPMENT OR COMPONENTS**

- 358. Remove or replace alarm driver boxes
- 359. Remove or replace amplifiers, other than audio amplifiers
- 360. Remove or replace audio amplifiers
- 361. Remove or replace batteries
- 362. Remove or replace battery chargers
- 363. Remove or replace BIT equipment assemblies
- 364. Remove or replace BIT equipment subassemblies
- 365. Remove or replace blowers or cooling fans
- 366. Remove or replace buffer, controller, or interface subassemblies
- 367. Remove or replace buffers, controllers, or interfaces
- 368. Remove or replace cannon plugs
- 369. Remove or replace computer air-cooling hoses
- 370. Remove or replace connecting blocks, other than spade-tipped or modular connecting blocks
- 371. Remove or replace cryptographic equipment
- 372. Remove or replace dial lines
- 373. Remove or replace direct lines
- 374. Remove or replace disc systems
- 375. Remove or replace display equipment, such as CRTs
- 376. Remove or replace electrical relays
- 377. Remove or replace electrical switches
- 378. Remove or replace electromechanical circuit components
- 379. Remove or replace electronic circuit cards or printed circuit boards (PCBs)
- 380. Remove or replace electronic ringer units
- 381. Remove or replace equalizer charging loads
- 382. Remove or replace equipment grounds
- 383. Remove or replace filters, other than line filters
- 384. Remove or replace fixed equipment signal cables or wiring
- 385. Remove or replace fluid distribution system components
- 386. Remove or replace fuses
- 387. Remove or replace heatsinks
- 388. Remove or replace impedance matching devices

389. Remove or replace junction boxes
390. Remove or replace keyboards
391. Remove or replace light indicators
392. Remove or replace line filters
393. Remove or replace line-finder components, such as magnets or armatures
394. Remove or replace magnetic tape units
395. Remove or replace maintenance or operator panels or consoles
396. Remove or replace modems
397. Remove or replace modular connecting blocks
398. Remove or replace mouse devices
399. Remove or replace multiline links
400. Remove or replace multipin connectors
401. Remove or replace multiple-pair protected terminals
402. Remove or replace multiplexers
403. Remove or replace nonelectrical hardware, such as screws, nuts, ejectors, or covers
404. Remove or replace optical character or optical code readers
405. Remove or replace optical light pens
406. Remove or replace plotters
407. Remove or replace power distribution panels
408. Remove or replace power distribution systems
409. Remove or replace power supplies
410. Remove or replace printers
411. Remove or replace processors
412. Remove or replace receivers, other than modems
413. Remove or replace recorders
414. Remove or replace RF equipment
415. Remove or replace RFI door shieldings
416. Remove or replace single-pair protected terminals
417. Remove or replace solid state memory assemblies
418. Remove or replace spade-tipped connecting blocks
419. Remove or replace stepping switches
420. Remove or replace subcycle generators
421. Remove or replace switchboard components, other than tactical switchboard components
422. Remove or replace tactical switchboard components
423. Remove or replace teletypewriters
424. Remove or replace tone generators
425. Remove or replace transformers
426. Remove or replace transmitters
427. Remove or replace voice-activated communication sets
428. Remove or replace wiper contacts
429. Replace or reconnect unit wiring

D. MAINTAINING CABLES, WIRING, AND ASSOCIATED EQUIPMENT

430. Assemble or disassemble touchtone telephones
431. Attach identification tags to cable ends
432. Bench check handsets
433. Bench check headsets
434. Bench check multiline telephones
435. Bench check singleline telephones
436. Bench check underpressure alarms
437. Clean telephone instrument cases
438. Connect or disconnect fiber optic cables to or from interface equipment
439. Connect or disconnect inside cables to or from connecting blocks or junction boxes
440. Connect or disconnect inside wiring to or from line protectors or ESAs
441. Dry-splice cables
442. Fabricate or modify cable installations

- 443. Hand polish fiber optic connectors
- 444. Hand polish fibers in fiber optic cables
- 445. Inspect ESAs for corrosion
- 446. Isolate cable assembly malfunctions
- 447. Isolate ESA malfunctions
- 448. Isolate handset malfunctions
- 449. Isolate headset malfunctions
- 450. Isolate telephone support package malfunctions
- 451. Isolate malfunctions to aerial fiber optic cable splice housings
- 452. Isolate malfunctions to cables
- 453. Isolate malfunctions to fiber optic cluster units
- 454. Isolate malfunctions to fiber optic connectors
- 455. Isolate malfunctions to fiber optic cross-connect panels
- 456. Isolate malfunctions to fiber optic multiplexers
- 457. Isolate malfunctions to fiber optic patch panels
- 458. Isolate malfunctions to fiber optic regenerators
- 459. Isolate malfunctions to fiber optic T-carriers
- 460. Isolate malfunctions to handsets
- 461. Isolate malfunctions to headset transmitters
- 462. Isolate malfunctions to headsets
- 463. Isolate malfunctions to multiline telephones
- 464. Isolate malfunctions to pressure monitoring set test sets
- 465. Isolate malfunctions to singliline telephones
- 466. Isolate malfunctions to underpressure alarms
- 467. Machine polish fibers in fiber optic cables
- 468. Manufacture or modify fiber optic cable installations
- 469. Mark, cut, strip, or butt cables
- 470. Measure connector losses using optical power multimeter single-meter method
- 471. Measure connector losses using optical power multimeter two-meter method
- 472. Measure maximum pulling tension in fiber optic cables
- 473. Modify instruments for secure areas
- 474. Off-reel fiber optic cables in figure-8 loops
- 475. Operationally check ESAs
- 476. Operationally check handsets
- 477. Operationally check headsets
- 478. Operationally check multiline telephones
- 479. Operationally check singliline telephones
- 480. Perform cable operational tests
- 481. Perform dial-speed operational checks
- 482. Perform ESA continuity checks
- 483. Perform inspections of cables, cable troughs, or connectors, other than for corrosion
- 484. Perform ring-back operational checks
- 485. Perform self-tests on underpressure alarms
- 486. Perform PMIs on handsets
- 487. Perform PMIs on headsets
- 488. Perform PMIs on multiline telephones
- 489. Perform PMIs on singliline telephones
- 490. Prepack fiber optic cables
- 491. Prepare fiber optic cables for mounting
- 492. Remove or replace cable runs
- 493. Remove or replace cable troughs or conduits
- 494. Remove or replace coaxial cables
- 495. Remove or replace dials on telephone communication panels
- 496. Remove or replace ESAs
- 497. Remove or replace feeder cables
- 498. Remove or replace fiber optic breakout cables using fusion welding method
- 499. Remove or replace fiber optic breakout cables using mechanical method

500. Remove or replace fiber optic cables using one-direction hand-pull method
501. Remove or replace fiber optic cables using one-direction machine-pull method
502. Remove or replace fiber optic cables using two-direction hand-pull method
503. Remove or replace fiber optic cables using two-direction machine-pull method
504. Remove or replace fiber optic cluster units
505. Remove or replace fiber optic connectors
506. Remove or replace fiber optic cross-connect panels
507. Remove or replace fiber optic patch panels
508. Remove or replace fiber optic regenerators
509. Remove or replace fiber optic T-carriers
510. Remove or replace field wires
511. Remove or replace handsets
512. Remove or replace headsets
513. Remove or replace jack terminals
514. Remove or replace jumpers
515. Remove or replace multiline telephones
516. Remove or replace singlegline telephones
517. Remove or replace straps on terminals
518. Remove or replace telephone cable moldings
519. Remove or replace telephone support packages
520. Remove or replace twisted-pair cables
521. Seal fiber optic splices
522. Secure cables
523. Shield cables for secure telephones
524. Splice armor-shielded fiber optic cables
525. Splice double-sheath fiber optic cables
526. Splice fiber optic cables using handtools
527. Splice fiber optic cables using point-to-point method
528. Splice flood-resistant fiber optic cables
529. Splice metallic-shielded fiber optic cables
530. Splice nonmetallic-shielded fiber optic cables
531. Splice single-sheath fiber optic cables
532. Splice wires
533. Terminate cables with punch-down devices
534. Terminate cables by constructing cannon plugs
535. Terminate cables by constructing multipin connectors
536. Terminate cables by soldering
537. Terminate fiber optic strength members
538. Terminate jumpers
539. Test ground straps or electrical surge arrestors (ESAs)
540. Wet-splice cables
541. Wire-wrap cables or wires using electrical tools
542. Wire-wrap cables or wires using handtools
543. Wrap or unwrap terminals

E. MAINTAINING COMPUTERS, NETWORK, AND PERIPHERAL EQUIPMENT

544. Isolate desktop computer malfunctions
545. Isolate facsimile (fax) machine malfunctions, other than secure tactical
546. Isolate hub malfunctions
547. Isolate laptop computer malfunctions
548. Isolate network encryption system (NES) malfunctions
549. Isolate NIC malfunctions
550. Isolate printer malfunctions
551. Isolate repeater malfunctions
552. Isolate router malfunctions
553. Isolate scanner malfunctions

- 554. Isolate secure tactical fax machine malfunctions
- 555. Isolate server malfunctions
- 556. Isolate switch malfunctions
- 557. Operationally check desktop computers
- 558. Operationally check fax machines, other than secure tactical
- 559. Operationally check hubs
- 560. Operationally check laptop computers
- 561. Operationally check NESs
- 562. Operationally check NICs
- 563. Operationally check printers
- 564. Operationally check repeaters
- 565. Operationally check routers
- 566. Operationally check scanners
- 567. Operationally check secure tactical fax machines
- 568. Operationally check servers
- 569. Operationally check switches
- 570. Remove and replace NICs
- 571. Remove or replace desktop computer subassemblies
- 572. Remove or replace fax machine subassemblies, other than secure tactical
- 573. Remove or replace hubs
- 574. Remove or replace laptop computer subassemblies
- 575. Remove or replace NES subassemblies
- 576. Remove or replace printer subassemblies
- 577. Remove or replace repeaters
- 578. Remove or replace routers
- 579. Remove or replace secure tactical fax machines
- 580. Remove or replace servers
- 581. Remove or replace switches

F. MAINTAINING STRATEGIC COMMUNICATIONS (STRATCOM) EQUIPMENT

- 582. Adjust or align alarm jackboxes
- 583. Adjust or align jackboxes, other than alarm jackboxes
- 584. Bench check alarm driver boxes
- 585. Bench check alarm jackboxes
- 586. Bench check black direct current/variable frequency (DC/VF) patches
- 587. Bench check cable termination equipment (CTE)
- 588. Bench check environmental control units (ECUs)
- 589. Bench check equalizer modules
- 590. Bench check hands-free telephone repeater drawers
- 591. Bench check intercommunications station drawers
- 592. Bench check jackboxes, other than alarm jackboxes
- 593. Bench check mission control network (MCN) communications control panels
- 594. Bench check MCN communications control system drawers
- 595. Bench check red DC patches
- 596. Bench check summary fault units (SFUs)
- 597. Bench check telephone repeater drawers, other than hands-free
- 598. Bench check telephone selector switch drawers
- 599. Bench check telephone transmitter control (TTC) panels
- 600. Bench check teletypewriters
- 601. Bench check tone converter drawers
- 602. Connect external cooling to aircraft
- 603. Connect external power to aircraft
- 604. Coordinate equipment maintenance with missile combat crew members
- 605. Coordinate launch facility (LF) penetration with maintenance control
- 606. Isolate airborne command post communications processing element (CPE) malfunctions
- 607. Isolate airborne command post equipment cooling system malfunctions

608. Isolate airborne command post interface equipment malfunctions
609. Isolate airborne command post line replaceable unit (LRU) malfunctions
610. Isolate airborne command post power distribution equipment malfunctions
611. Isolate AWACS MS or MA communications equipment malfunctions
612. Isolate AWACS MS or MA data processing system (DPS) malfunctions
613. Isolate AWACS MS or MA power distribution equipment malfunctions
614. Isolate CDPs to LRU malfunctions
615. Isolate communications and maintenance panel subassembly malfunctions
616. Isolate communications station panel malfunctions
617. Isolate console-to-console matrix malfunctions
618. Isolate console-to-line matrix malfunctions
619. Isolate CSF malfunctions to LRUs
620. Isolate electrical optical converter malfunctions
621. Isolate EXA malfunctions to LRUs
622. Isolate hardened-voice channel (HVC) communications system malfunctions
623. Isolate launch control facility (LCF) or LF telephone malfunctions
624. Isolate line-to-console matrix malfunctions
625. Isolate magnetic drum unit malfunctions to cards or subassemblies
626. Isolate magnetic drum unit malfunctions to components
627. Isolate RIU malfunctions to LRUs
628. Isolate RPP/SEPP malfunctions to LRUs
629. Isolate support information network (SIN) line malfunctions
630. Isolate malfunctions to airborne warning and control system (AWACS) mission simulator (MS) or mission avionics (MA) data processing systems
631. Isolate malfunctions to alarm jackboxes
632. Isolate malfunctions to bus interface controllers
633. Isolate malfunctions to circuit switch functions (CSFs)
634. Isolate malfunctions to communications and maintenance panels
635. Isolate malfunctions to communications demarcation panels (CDPs)
636. Isolate malfunctions to electrical optical converters
637. Isolate malfunctions to exchange assemblies (EXAs)
638. Isolate malfunctions to finger-on-glass (FOG) devices
639. Isolate malfunctions to jackboxes, other than alarm jackboxes
640. Isolate malfunctions to magnetic drum units
641. Isolate malfunctions to radar interface units (RIUs)
642. Isolate malfunctions to radio patch panels/signal entry patch panels (RPPs/SEPPs)
643. Monitor operation of airborne command post CPEs
644. Monitor operation of airborne command post system power supplies
645. Monitor operation of airborne operational computer programs (AOCPs)
646. Monitor operation of AWACS radar situation simulator units (RSSUs)
647. Notify missile flight security controller of departures or arrivals
648. Obtain codes from control centers
649. Obtain or return code keys to wing security centers
650. Operationally check airborne command post BIT equipment
651. Operationally check black DC/VF patches
652. Operationally check CDPs
653. Operationally check communications control panels
654. Operationally check console-to-console matrices
655. Operationally check console-to-line matrices
656. Operationally check CSFs
657. Operationally check CTE
658. Operationally check ECUs
659. Operationally check electrical optical converters
660. Operationally check EXAs
661. Operationally check HVC communications systems
662. Operationally check LCF or LF telephones
663. Operationally check line-to-console matrices

664. Operationally check magnetic drum units
665. Operationally check red DC patches
666. Operationally check RIUs
667. Operationally check RPPs/SEPPs
668. Operationally check SFUs
669. Operationally check TTC panels
670. Operationally check very high frequency (VHF) radio interface circuits
671. Operationally check voice control panels (VCPs)
672. Operationally check VCP repeaters
673. Penetrate or depart WS-133A gates or launch support buildings (LSBs)
674. Penetrate or depart WS-133B launcher equipment rooms or launchers
675. Perform aircraft computer preflight inspections
676. Perform aircrew emergency procedures
677. Perform AOCP recovery procedures
678. Perform manual cable reconfiguration in support of AWACS maintenance
679. Perform or practice WS-133A emergency backout or electrical isolation procedures
680. Perform or practice WS-133B emergency backout or electrical isolation procedures
681. Perform PMIs on AWACS MS or MA DPSs
682. Perform PMIs on AWACS MS or MA power distribution equipment
683. Perform PMIs on magnetic drum units
684. Perform preflight inspections on airborne command post CPEs
685. Perform preflight inspections on buffers, controllers, or interfaces
686. Perform preflight inspections on display equipment
687. Perform preflight inspections on hard-disk subsystems (HDSs)
688. Perform preflight inspections on keyboards
689. Perform preflight inspections on mainframe processors
690. Perform preflight inspections on maintenance or operator panels or consoles
691. Perform preflight inspections on power distribution systems
692. Perform preflight inspections on power supplies
693. Perform preflight inspections on printers
694. Remove or replace airborne command post CPE unit subassemblies during airborne operations
695. Remove or replace airborne command post LRUs
696. Remove or replace alarm jackboxes
697. Remove or replace AWACS MS or MA power distribution equipment components
698. Remove or replace AWACS MS or MA power distribution equipment LRUs
699. Remove or replace black DC/VF patches
700. Remove or replace bus interface controllers
701. Remove or replace communications and maintenance panel circuit cards
702. Remove or replace communications control panels
703. Remove or replace CTE
704. Remove or replace ECUs
705. Remove or replace equalizer modules
706. Remove or replace FOG devices
707. Remove or replace jackboxes, other than alarm jackboxes
708. Remove or replace magnetic drum unit subassemblies
709. Remove or replace magnetic drum units
710. Remove or replace MCN telephone repeater drawers
711. Remove or replace pressure monitor receiver transmitters (PMRTs)
712. Remove or replace red DC patches
713. Remove or replace ribbon cables
714. Remove or replace SFUs
715. Remove or replace speakers hands-free telephone sets
716. Remove or replace tone converter drawers
717. Remove or replace VCP cards
718. Remove or replace VCP repeaters
719. Strap equalizer modules
720. Strap repeat coils

721. Test hardened intersite cable systems (HICSSs)

G. MAINTAINING AN/UGC-74 COMMUNICATIONS TERMINAL EQUIPMENT

- 722. Adjust AN/UGC-74 printhead assemblies
- 723. Analyze AN/UGC-74 keyboard operations
- 724. Analyze AN/UGC-74 modes of operation
- 725. Analyze AN/UGC-74 power supply operations
- 726. Analyze AN/UGC-74 printer operations
- 727. Perform PMIs on AN/UGC-74s
- 728. Remove or replace AN/UGC-74 keyboards
- 729. Remove or replace AN/UGC-74 paper or ribbons
- 730. Remove or replace AN/UGC-74 PCBs
- 731. Remove or replace AN/UGC-74 power supplies
- 732. Remove or replace AN/UGC-74 printer assemblies

H. MAINTAINING AN/UGC-129 TACTICAL RECORD TRAFFIC TELETYPEWRITER (TRTT) EQUIPMENT

- 733. Adjust tactical record traffic teletypewriter (TRTT) printers
- 734. Install TRTTs
- 735. Isolate TRTT electrical malfunctions to memory safe circuit filters
- 736. Isolate TRTT electrical malfunctions to PCBs
- 737. Isolate TRTT keyboard malfunctions
- 738. Isolate TRTT magnetic tape unit (MTU) malfunctions
- 739. Isolate TRTT malfunctions to alternating current/direct current (AC/DC) input filters
- 740. Isolate TRTT PCB electrical malfunctions
- 741. Isolate TRTT power supply malfunctions
- 742. Isolate TRTT printer malfunctions
- 743. Operationally check TRTT keyboards
- 744. Operationally check TRTT MTUs
- 745. Operationally check TRTT printers
- 746. Perform TRTT BITs
- 747. Perform TRTT feedback tests
- 748. Perform PMIs on TRTTs
- 749. Remove or replace TRTT major subassemblies
- 750. Remove or replace TRTT MTU components
- 751. Remove or replace TRTT MTU subassemblies
- 752. Remove or replace TRTT MTUs

I. MAINTAINING AN/UGC-141-SERIES FIXED-RECORD COMMUNICATIONS TELETYPEWRITER (FRCT) EQUIPMENT

- 753. Adjust fixed-record communications teletypewriter (FRCT) magnetic tape storage devices (MTSDs)
- 754. Adjust FRCT printers
- 755. Adjust FRCT VDUs
- 756. Analyze FRCT menus
- 757. Isolate FRCT keyboard malfunctions
- 758. Isolate FRCT malfunctions to AC/DC input filters
- 759. Isolate FRCT malfunctions to circuit card assemblies
- 760. Isolate FRCT malfunctions to VDUs
- 761. Isolate FRCT MTSD malfunctions
- 762. Isolate FRCT power supply malfunctions
- 763. Isolate FRCT printer malfunctions
- 764. Isolate system malfunctions to FRCT teletypewriter control modules (TCMs)
- 765. Operationally check FRCTs
- 766. Perform FRCT BITs
- 767. Perform FRCT feedback or loopback tests
- 768. Perform PMIs on FRCTs

- 769. Remove or replace FRCT MTSD components
- 770. Remove or replace FRCT MTSD subassemblies
- 771. Remove or replace FRCT MTSDs
- 772. Remove or replace FRCT subassemblies

J. MAINTAINING AN/UGC-144 COMMUNICATIONS TERMINALS

- 773. Configure AN/UGC-144s for Mode I or Mode II operation
- 774. Configure AN/UGC-144s for use with KG-84A/Cs
- 775. Isolate AN/UGC-144 malfunctions
- 776. Operationally check AN/UGC-144 equipment
- 777. Perform loopback tests or self-tests on AN/UGC-144s
- 778. Perform PMIs on AN/UGC-144s
- 779. Remove or replace AN/UGC-144 batteries
- 780. Remove or replace AN/UGC-144s

K. MAINTAINING AN/UYK-83A/85A TACTICAL COMPUTERS

- 781. Analyze AN/UYK-83A/85A keyboard operations
- 782. Analyze AN/UYK-83A/85A modes of operation
- 783. Analyze AN/UYK-83A/85A power supply operations
- 784. Configure AN/UYK-83A/85A terminals for use with KG-84As/Cs
- 785. Create messages for transmission with AN/UYK-83As/85As
- 786. Isolate AN/UYK-83A/85A assembly or subassembly malfunctions
- 787. Locate and identify major AN/UYK-83A/85A assemblies and subassemblies
- 788. Remove or replace AN/UYK-83A/85A batteries or fuses
- 789. Remove or replace AN/UYK-83A/85A circuit card assemblies
- 790. Remove or replace AN/UYK-83A/85A power supplies
- 791. Transmit or receive messages with AN/UYK-83As/85As

L. MAINTAINING KG-TYPE OR KI-TYPE CRYPTOGRAPHIC EQUIPMENT

- 792. Analyze KG test adapter readouts
- 793. Isolate BID-series malfunctions
- 794. Isolate CI-10 malfunctions
- 795. Isolate HNF-81-series malfunctions
- 796. Isolate HNF-3033 malfunctions
- 797. Isolate KG FPA malfunctions
- 798. Isolate KG-28/29 malfunctions
- 799. Isolate KG-30-series malfunctions
- 800. Isolate KG-40 malfunctions
- 801. Isolate KG-40A malfunctions
- 802. Isolate KG-44B malfunctions
- 803. Isolate KG-45 malfunctions
- 804. Isolate KG-75 malfunctions
- 805. Isolate KG-81 malfunctions
- 806. Isolate KG-82 malfunctions
- 807. Isolate KG-83 malfunctions
- 808. Isolate KG-84-series malfunctions
- 809. Isolate KG-94-series malfunctions
- 810. Isolate KG-95 malfunctions
- 811. Isolate KG-96 malfunctions
- 812. Isolate KG-109 malfunctions
- 813. Isolate KG-144 malfunctions
- 814. Isolate KG-189 malfunctions
- 815. Isolate KG-194-series malfunctions
- 816. Isolate KG-207 malfunctions

- 817. Isolate KGV-8/11 malfunctions
- 818. Isolate KGV-61 malfunctions
- 819. Isolate KGX-93 malfunctions
- 820. Isolate KI-1-series malfunctions
- 821. Isolate KI-23/123 malfunctions
- 822. Isolate KI-111/112/113/KGV-112/Blacker malfunctions
- 823. Isolate KI-25 malfunctions
- 824. Isolate KIV-7-series malfunctions
- 825. Isolate KIV-19 malfunctions
- 826. Isolate KIV-42 malfunctions
- 827. Isolate KL-43 malfunctions
- 828. Isolate KOK-1 malfunctions
- 829. Isolate KOK-3 malfunctions
- 830. Isolate KOK-22 malfunctions
- 831. Isolate KT-8-series cabinet malfunctions
- 832. Isolate KT-8-series logic control assembly equipment malfunctions
- 833. Isolate KT-8-series power supply malfunctions
- 834. Isolate KT-83 malfunctions
- 835. Isolate KW-46 malfunctions
- 836. Isolate Sunburst processor malfunctions
- 837. Load variables to KG-type cryptographic equipment
- 838. Load variables to KI-type cryptographic equipment
- 839. Load variables to KT-type cryptographic equipment
- 840. Operationally check BID-series equipment
- 841. Operationally check CI-10 equipment
- 842. Operationally check HNF-3033 equipment
- 843. Operationally check KG-28/29 system equipment
- 844. Operationally check KG-30-series equipment
- 845. Operationally check KG-40 equipment
- 846. Operationally check KG-40A equipment
- 847. Operationally check KG-44B equipment
- 848. Operationally check KG-45 equipment
- 849. Operationally check KG-75 equipment
- 850. Operationally check KG-81 equipment
- 851. Operationally check KG-82 equipment
- 852. Operationally check KG-83 equipment
- 853. Operationally check KG-84-series equipment
- 854. Operationally check KG-94-series equipment
- 855. Operationally check KG-95 equipment
- 856. Operationally check KG-96 equipment
- 857. Operationally check KG-109 equipment
- 858. Operationally check KG-144 equipment
- 859. Operationally check KG-189 equipment
- 860. Operationally check KG-194-series equipment
- 861. Operationally check KG-207 equipment
- 862. Operationally check KGV-8/11 equipment
- 863. Operationally check KGV-61 equipment
- 864. Operationally check KGX-93 equipment
- 865. Operationally check KI-1-series equipment
- 866. Operationally check KI-23/123 equipment
- 867. Operationally check KI-111/112/113/KGV-112/Blacker equipment
- 868. Operationally check KI-25 equipment
- 869. Operationally check KIV-7-series equipment
- 870. Operationally check KIV-19 equipment
- 871. Operationally check KIV-42 equipment
- 872. Operationally check KL-43 equipment
- 873. Operationally check KOK-1 equipment

- 874. Operationally check KOK-3 equipment
- 875. Operationally check KOK-22 equipment
- 876. Operationally check KT-8-series equipment
- 877. Operationally check KT-83 equipment
- 878. Operationally check KW-46 equipment
- 879. Operationally check Sunburst processor equipment
- 880. Perform KG-30-series alignment procedures
- 881. Perform PMIs on BID-series equipment
- 882. Perform PMIs on CI-10s
- 883. Perform PMIs on HNF-81-series equipment
- 884. Perform PMIs on HNF-3033s
- 885. Perform PMIs on KG-28/29 systems
- 886. Perform PMIs on KG-30-series equipment
- 887. Perform PMIs on KG-40s
- 888. Perform PMIs on KG-40As
- 889. Perform PMIs on KG-44Bs
- 890. Perform PMIs on KG-45s
- 891. Perform PMIs on KG-75s
- 892. Perform PMIs on KG-81s
- 893. Perform PMIs on KG-82s
- 894. Perform PMIs on KG-83s
- 895. Perform PMIs on KG-84-series equipment
- 896. Perform PMIs on KG-94-series equipment
- 897. Perform PMIs on KG-95s
- 898. Perform PMIs on KG-96s
- 899. Perform PMIs on KG-109s
- 900. Perform PMIs on KG-144s
- 901. Perform PMIs on KG-189s
- 902. Perform PMIs on KG-194-series equipment
- 903. Perform PMIs on KG-207s
- 904. Perform PMIs on KGV-8/11s
- 905. Perform PMIs on KGV-61s
- 906. Perform PMIs on KGX-93s
- 907. Perform PMIs on KI-1-series equipment
- 908. Perform PMIs on KI-23/123s
- 909. Perform PMIs on KI-25s
- 910. Perform PMIs on KI-111s/112s/113s/KGV-112s/Blackers
- 911. Perform PMIs on KIV-7-series equipment
- 912. Perform PMIs on KIV-19s
- 913. Perform PMIs on KIV-42s
- 914. Perform PMIs on KL-43s
- 915. Perform PMIs on KOK-1s
- 916. Perform PMIs on KOK-3s
- 917. Perform PMIs on KOK-22s
- 918. Perform PMIs on KT-8-series equipment
- 919. Perform PMIs on KT-83s
- 920. Perform PMIs on KW-46s
- 921. Perform PMIs on Sunburst processors
- 922. Program permuters
- 923. Remove or replace BID-series equipment
- 924. Remove or replace CI-10s
- 925. Remove or replace HNF-81-series equipment
- 926. Remove or replace HNF-3033s
- 927. Remove or replace KG FPA subassemblies
- 928. Remove or replace KG-28/29 systems
- 929. Remove or replace KG-30-series equipment
- 930. Remove or replace KG-40s

931. Remove or replace KG-40As
932. Remove or replace KG-44Bs
933. Remove or replace KG-45s
934. Remove or replace KG-75s
935. Remove or replace KG-81s
936. Remove or replace KG-82s
937. Remove or replace KG-83s
938. Remove or replace KG-84-series equipment
939. Remove or replace KG-94-series equipment
940. Remove or replace KG-95s
941. Remove or replace KG-96s
942. Remove or replace KG-109s
943. Remove or replace KG-144s
944. Remove or replace KG-189s
945. Remove or replace KG-194-series equipment
946. Remove or replace KG-207s
947. Remove or replace KGV-8/11s
948. Remove or replace KGV-61s
949. Remove or replace KGX-93s
950. Remove or replace KI-1-series equipment
951. Remove or replace KI-23/123s
952. Remove or replace KI-111/112/113/KGV-112/Blackers
953. Remove or replace KI-25s
954. Remove or replace KIV-7-series equipment
955. Remove or replace KIV-19s
956. Remove or replace KIV-42s
957. Remove or replace KL-43s
958. Remove or replace KOK-1s
959. Remove or replace KOK-22s
960. Remove or replace KOK-3s
961. Remove or replace KT-8-series equipment
962. Remove or replace KT-83s
963. Remove or replace KW-46s
964. Remove or replace Sunburst processors
965. Update CI-10 programmable read-only memories (PROMs)

M. MAINTAINING KY-TYPE CRYPTOGRAPHIC EQUIPMENT

966. Isolate HNF-5 malfunctions
967. Isolate KY-57/58 malfunctions
968. Isolate KY-65/75 malfunctions
969. Isolate KY-68/78 malfunctions
970. Isolate KY-71-series malfunctions
971. Isolate KY-90 malfunctions
972. Isolate KY-99-series malfunctions
973. Isolate KY-100 malfunctions
974. Isolate KYV-5 malfunctions
975. Load variables to KY-type cryptographic equipment
976. Operationally check HNF-5 equipment
977. Operationally check KY-57/58 equipment
978. Operationally check KY-65/75 equipment
979. Operationally check KY-68/78 equipment
980. Operationally check KY-71-series equipment
981. Operationally check KY-90 equipment
982. Operationally check KY-99-series equipment
983. Operationally check KY-100 equipment
984. Operationally check KYV-5 equipment

985. Perform PMIs on HNF-5s
986. Perform PMIs on KY-57s/58s
987. Perform PMIs on KY-65s/75s
988. Perform PMIs on KY-68s/78s
989. Perform PMIs on KY-71-series
990. Perform PMIs on KY-90s
991. Perform PMIs on KY-99-series
992. Perform PMIs on KY-100s
993. Perform PMIs on KYV-5s
994. Remove or replace HNF-5s
995. Remove or replace KY-57/58s
996. Remove or replace KY-65/75s
997. Remove or replace KY-68/78s
998. Remove or replace KY-71-series
999. Remove or replace KY-90s
1000. Remove or replace KY-99-series
1001. Remove or replace KY-100s
1002. Remove or replace KYV-5s

**N. MAINTAINING MODEM, ANALOG SERVICE UNIT (ASU), CHANNEL SERVICE UNIT (CSU),
AND DATA SERVICE UNIT (DSU) EQUIPMENT**

1003. Adjust or align modems, analog service units (ASUs), channel service units (CSUs), or data service units (DSUs)
1004. Isolate modem, ASU, CSU, or DSU malfunctions
1005. Operationally check modems, ASUs, CSUs, or DSUs
1006. Operationally check secure telephone equipment (STE)
1007. Operationally check STU IIIs
1008. Perform BITs on modems, ASUs, CSUs, or DSUs
1009. Place modems, ASUs, CSUs, or DSUs in digital or analog loopbacks
1010. Program modems, ASUs, CSUs, or DSUs for system operations
1011. Program STE
1012. Program STU IIIs
1013. Remove or replace modems, ASUs, CSUs, or DSUs
1014. Revalidate STU III keys
1015. Test output decibel (dB) levels on modems, ASUs, CSUs, or DSUs

O. MAINTAINING MULTIPLEXERS

1016. Adjust multiplexers
1017. Configure multiplexers
1018. Isolate multiplexer malfunctions
1019. Operationally check multiplexers
1020. Perform multiplexer built-in test equipment (BITE) tests
1021. Perform multiplexer power supply checks
1022. Perform system isolations using multiplexer loopbacks
1023. Perform modifications on multiplexers
1024. Perform PMIs on multiplexers
1025. Program multiplexers using front panels
1026. Program multiplexers using software from terminals
1027. Remove or replace multiplexer components
1028. Remove or replace multiplexer subassemblies
1029. Remove or replace multiplexers

P. MAINTAINING CRYPTOGRAPHIC ANCILLARY EQUIPMENT

- 1030. Adjust digital distribution units (DDUs)
- 1031. Adjust or align red phones
- 1032. Configure STU V signal converters
- 1033. Fabricate KT-series test cables
- 1034. Install STU V signal converters
- 1035. Isolate patch panel malfunctions
- 1036. Isolate red phone malfunctions
- 1037. Isolate ST-series equipment malfunctions
- 1038. Isolate station battery or red-black power supply malfunctions
- 1039. Isolate station clock or frequency correction equipment malfunctions
- 1040. Isolate autowriter malfunctions
- 1041. Isolate CI-13 malfunctions
- 1042. Isolate CYZ-10 malfunctions
- 1043. Isolate DDU malfunctions
- 1044. Isolate digital channel bank malfunctions
- 1045. Isolate fiber channel bank malfunctions
- 1046. Isolate HGX-series equipment malfunctions
- 1047. Isolate IHUB malfunctions
- 1048. Isolate KIK-18 or KIK-28 malfunctions
- 1049. Isolate KOI-18 malfunctions
- 1050. Isolate KYK-5 malfunctions
- 1051. Isolate KYK-7 malfunctions
- 1052. Isolate KYK-12 malfunctions
- 1053. Isolate KYK-13 malfunctions
- 1054. Isolate KYX-15 malfunctions
- 1055. Isolate ST-series equipment malfunctions
- 1056. Isolate wire line adapter malfunctions
- 1057. Load variables using CYZ-10s
- 1058. Load variables using firefly keys
- 1059. Load variables using KOI-18s
- 1060. Load variables using KOKs or permuter trays
- 1061. Load variables using KYK-5s
- 1062. Load variables using KYK-7s
- 1063. Load variables using KYK-12s
- 1064. Load variables using KYK-13s
- 1065. Load variables using KYX-15s
- 1066. Operationally check CI-13 equipment
- 1067. Operationally check CYZ-10 equipment
- 1068. Operationally check DDUs
- 1069. Operationally check digital channel banks
- 1070. Operationally check equipment transmission lines
- 1071. Operationally check fiber channel banks
- 1072. Operationally check HGX-series equipment
- 1073. Operationally check IHUBs
- 1074. Operationally check KOI-18 equipment
- 1075. Operationally check KT-series equipment
- 1076. Operationally check KYK-5 equipment
- 1077. Operationally check KYK-7 equipment
- 1078. Operationally check KYK-12 equipment
- 1079. Operationally check KYK-13 equipment
- 1080. Operationally check KYX-15 equipment
- 1081. Operationally check patch panels
- 1082. Operationally check red phones
- 1083. Operationally check ST-series equipment
- 1084. Operationally check STU V equipment

1085. Operationally check telephone sets
1086. Operationally check wire line adapters
1087. Perform BITs on error rate testers
1088. Perform PMIs on CI-13s
1089. Perform PMIs on CYZ-10s
1090. Perform PMIs on DDUs
1091. Perform PMIs on digital channel banks
1092. Perform PMIs on fiber channel banks
1093. Perform PMIs on HGX-series equipment
1094. Perform PMIs on IHUBs
1095. Perform PMIs on ST-series equipment
1096. Perform PMIs on station batteries or red-black power supplies
1097. Perform PMIs on station clocks or frequency correction equipment
1098. Perform PMIs on STM-18s
1099. Perform PMIs on wire line adapters
1100. Remove or replace CI-13s
1101. Remove or replace CYZ-10s
1102. Remove or replace DDUs
1103. Remove or replace digital channel banks
1104. Remove or replace fiber channel banks
1105. Remove or replace fill batteries
1106. Remove or replace HGX-series equipment
1107. Remove or replace IHUBs
1108. Remove or replace patch panels
1109. Remove or replace red phone components
1110. Remove or replace red-black power supply units
1111. Remove or replace ST-series equipment
1112. Remove or replace station batteries
1113. Remove or replace STM-18s
1114. Remove or replace transmission line equipment
1115. Remove or replace VTC equipment
1116. Remove or replace wire line adapters
1117. Test station cryptographic equipment using ST-series equipment

Q. MAINTAINING SECURE DIGITAL SWITCHES

1118. Adjust setup features on printers
1119. Interpret board or interface definition files
1120. Interpret control and status panel indicators
1121. Interpret CRT data base management tasks
1122. Interpret digital small switch (DSS) database
1123. Interpret printed wire assembly (PWA) fault indicators
1124. Interpret system monitory displays (SMDs)
1125. Interpret virtual memory displays (VMDs)
1126. Interpret status messages outputted to printers
1127. Maintain DSS
1128. Maintain remote switching units (RSUs)
1129. Maintain SDS Red Switches
1130. Operate DSS databases
1131. Perform processor assembly reboot operating procedures
1132. Perform SDS-1 emergency power cutover procedures
1133. Perform PMIs on SDS-1s
1134. Remove or replace PWAs

R. PERFORMING ENGINEERING AND INSTALLATION ACTIVITIES

- 1135. Assemble major system components or units for installation
- 1136. Conduct after-installation performance tests
- 1137. Connect fixed telecommunications equipment to signal lines
- 1138. Coordinate engineering changes with engineers
- 1139. Coordinate modifications of installation plans with other agencies
- 1140. Disconnect signal cables
- 1141. Disconnect system power
- 1142. Draft work stoppage or team arrival messages
- 1143. Fan and form cables
- 1144. Install alarm display consoles
- 1145. Install anchoring devices
- 1146. Install autowriters
- 1147. Install communications security (COMSEC) equipment
- 1148. Install conduits
- 1149. Install data terminals
- 1150. Install ducting
- 1151. Install electrical grounding wires
- 1152. Install equipment cabinets
- 1153. Install fiber optic cables
- 1154. Install filters or isolators
- 1155. Install FPAs
- 1156. Install IDFs
- 1157. Install printers
- 1158. Install red-black power supplies
- 1159. Install red-black signal groundings
- 1160. Install signal cables
- 1161. Install station electronic equipment, such as intercom systems or technical control facilities
- 1162. Install station timing equipment
- 1163. Install straps on terminals
- 1164. Install switchboards
- 1165. Install system power
- 1166. Install unistruts
- 1167. Isolate C-E systems malfunctions after installation
- 1168. Perform acceptance inspections
- 1169. Perform contract monitor duties during installation projects
- 1170. Perform lock-out and tag-out procedures
- 1171. Perform post-deployment actions
- 1172. Perform pre-deployment actions
- 1173. Perform preinstallation surveys
- 1174. Perform project package reviews
- 1175. Perform site surveys, other than for mobility or deployment
- 1176. Read, interpret, or update plant and place drawings
- 1177. Stencil, letter, or replace decals on equipment or cables

S. PERFORMING OPERATOR ACTIVITIES

- 1178. Alter program parameters by entering adaptations
- 1179. Conduct operational tests and acceptances of program software
- 1180. Configure workstations
- 1181. Encode or decode program patches
- 1182. Encode or decode software instructions
- 1183. Identify program deficiencies during initial installation
- 1184. Identify program deficiencies during program evaluation tests (PETs)
- 1185. Identify program software deficiencies during system life cycle
- 1186. Initialize primary or alternate processors

- 1187. Interpret computer codes
- 1188. Load cryptographic variables
- 1189. Load or operate programs
- 1190. Perform fail-over function to an alternate processor
- 1191. Program, copy, or verify chips
- 1192. Purge memory of classified computer systems
- 1193. Reproduce program tapes
- 1194. Test or implement program patches
- 1195. Upload programs
- 1196. Validate program patches
- 1197. Write program routines
- 1198. Write script files

T. PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES

- 1199. Adjust daily maintenance plans to meet operational commitments
- 1200. Analyze core automated maintenance system (CAMS), GO81, or access generated data
- 1201. Clear Red-X conditions
- 1202. Evaluate new, modified, or prototype equipment
- 1203. Initiate technical order (TO) improvement reports
- 1204. Initiate or annotate aircraft flight or maintenance records, such as AFTO Forms 781-series
- 1205. Initiate or coordinate deficiency, service, or status reports, such as reports of deficiency (RODs) or product quality discrepancy reports (PQDRs)
- 1206. Maintain due-in-from-maintenance (DIFM) transaction reports
- 1207. Perform time compliance technical order (TCTO) inspections
- 1208. Retrieve CAMS, GO81, or access generated database listings or reports
- 1209. Review aircraft flight or maintenance records, such as AFTO Forms 781-series
- 1210. Review preventive maintenance schedules
- 1211. Update historical reports in CAMS, GO81, or access generated databases
- 1212. Update maintenance data collection (MDC) data in CAMS, GO81, or access generated databases
- 1213. Update personnel data files in CAMS, GO81, or access generated databases
- 1214. Update workcenter training reports in CAMS, GO81, or access generated databases
- 1215. Verify accuracy of CAMS, GO81, or access generated database daily inputs

U. PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES

- 1216. Compile data for records, reports, logs, or trend analyses
- 1217. Complete accident or incident reports
- 1218. Destroy classified materials or documents
- 1219. Establish or maintain automated technical order management system (ATOMS) accounts
- 1220. Establish or maintain accountability records for classified materials or documents
- 1221. Identify classified reports, messages, or documents
- 1222. Identify and report suspected security compromises
- 1223. Initiate classified reports, messages, or documents
- 1224. Initiate or maintain standby rosters or workcenter pyramid recall rosters
- 1225. Initiate requests for temporary duty (TDY) orders
- 1226. Maintain administrative files
- 1227. Maintain classified materials or documents
- 1228. Maintain publications libraries, other than TO libraries
- 1229. Maintain TCTOs
- 1230. Maintain TO libraries
- 1231. Maintain or update status indicators, such as boards, graphs, or charts
- 1232. Participate in TCTO meetings
- 1233. Prepare administrative or classified materials or documents for mailing, transporting, or issue
- 1234. Review TO changes
- 1235. Write minutes of briefings, conferences, or meetings

V. PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES

- 1236. Coordinate maintenance of equipment with off-base agencies
- 1237. Coordinate maintenance of equipment with on-base agencies
- 1238. Develop equipment checklists
- 1239. Evaluate serviceability of equipment, tools, parts, or supplies
- 1240. Identify and report equipment or supply problems
- 1241. Initiate requisitions for equipment, tools, parts, or supplies
- 1242. Inventory equipment, tools, parts, or supplies
- 1243. Issue or log turn-ins of equipment, tools, parts, or supplies
- 1244. Maintain documentation on items requiring periodic inspections or calibrations
- 1245. Maintain organizational equipment or supply records
- 1246. Pick up, deliver, or store equipment, tools, parts, or supplies

W. PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES

- 1247. Assign personnel to mobility or contingency positions
- 1248. Brief deploying personnel
- 1249. Complete operations plan (OPLAN) sourcing requirements
- 1250. Compute OPLAN requirements status listings
- 1251. Conduct contingency operation/mobility planning and execution system (COMPES) programs
- 1252. Conduct mobility or deployment site surveys
- 1253. Coordinate deployment of personnel with other MAJCOMs or joint service commands
- 1254. Coordinate exercise sourcing requirements with functional managers
- 1255. Coordinate mobility or contingency requirements with appropriate agencies
- 1256. Coordinate specific source of personnel requirements with appropriate agencies
- 1257. Determine cost factors for support agreements
- 1258. Determine specific source of personnel requirements for deployment manning documents
- 1259. Develop contingency exercise mobility (CEM) orders
- 1260. Develop mobility inspection checklists
- 1261. Dig trenches
- 1262. Don or doff chemical warfare personal protective clothing
- 1263. Draft or write mobility or deployment after-action reports
- 1264. Erect tents
- 1265. Inspect mobility bags or kits
- 1266. Inspect packed or palletized mobility or contingency equipment prior to transport
- 1267. Load plan aircraft for deployments
- 1268. Maintain disaster preparedness checklists
- 1269. Maintain accountability of personnel selected to fill OPLAN requirements
- 1270. Maintain base OPLAN files
- 1271. Pack or palletize mobility or contingency equipment for shipment or movement
- 1272. Perform camouflage procedures
- 1273. Perform camp security
- 1274. Perform chemical warfare agent decontamination procedures
- 1275. Perform disease or pestilence countermeasures
- 1276. Perform explosive ordnance reconnaissance
- 1277. Perform pallet buildup activities
- 1278. Perform plans file and mobility file matches
- 1279. Perform predeployment reconnaissance surveys
- 1280. Perform cover and concealment techniques for work party security
- 1281. Perform or set up site security
- 1282. Prepare equipment for deployments
- 1283. Prepare sites at deployed locations, such as cutting grass or removing snow
- 1284. Process classified materials or documents at deployed locations
- 1285. Provide OPLAN requirements status listings to unit commanders
- 1286. Request or distribute mobility requirements documents
- 1287. Set up or tear down shelters

1288. Tear down, inspect, clean, and reassemble weapons, such as M-16 rifles

X. PERFORMING TRAINING ACTIVITIES

- 1289. Administer or score tests
- 1290. Brief personnel concerning training programs or matters
- 1291. Complete student entry or withdrawal forms
- 1292. Conduct formal course classroom training
- 1293. Conduct on-the-job training (OJT)
- 1294. Counsel trainees on training progress
- 1295. Determine training requirements
- 1296. Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSSs)
- 1297. Develop training programs, plans, or procedures
- 1298. Develop written tests
- 1299. Develop or procure training materials or aids
- 1300. Establish or maintain study reference files
- 1301. Evaluate training methods or techniques of instructors
- 1302. Evaluate effectiveness of training programs, plans, or procedures
- 1303. Evaluate progress of trainees
- 1304. Inspect training materials or aids for operation or suitability
- 1305. Maintain training records or files
- 1306. Personalize lesson plans
- 1307. Prepare job qualification standards (JQSs)
- 1308. Write training reports

Y. PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES

- 1309. Annotate time and attendance sheets for civilian employees
- 1310. Assign personnel to work areas or duty positions
- 1311. Assign sponsors for newly assigned personnel
- 1312. Conduct general meetings, such as staff meetings, briefings, conferences, or workshops
- 1313. Conduct self-inspections or self-assessments
- 1314. Conduct staff assistance visits, inspections, or audits
- 1315. Conduct supervisory performance feedback sessions
- 1316. Conduct safety inspections of equipment or facilities
- 1317. Conduct supervisory orientations for newly assigned personnel
- 1318. Counsel subordinates concerning personal matters
- 1319. Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- 1320. Determine or establish work assignments or priorities
- 1321. Develop organizational or functional charts
- 1322. Develop resource protection programs
- 1323. Develop self-inspection or self-assessment program checklists
- 1324. Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans
- 1325. Develop or establish work methods or procedures
- 1326. Develop or establish work schedules
- 1327. Dispatch crews to work projects
- 1328. Draft budget requirements
- 1329. Draft host-tenant or interservice agreements
- 1330. Draft supplements or changes to directives, such as policy directives, instructions, or manuals
- 1331. Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)
- 1332. Establish workcenter test, measurement, and diagnostic equipment (TMDE) programs
- 1333. Establish performance standards for subordinates
- 1334. Establish procedures for accountability of equipment, tools, parts, or supplies
- 1335. Evaluate inspection report findings or inspection procedures
- 1336. Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program
- 1337. Evaluate personnel for compliance with performance standards
- 1338. Evaluate personnel for promotion, demotion, reclassification, or special awards

- 1339. Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace
- 1340. Implement safety or security programs
- 1341. Initiate personnel action requests
- 1342. Initiate actions required due to substandard performance of personnel
- 1343. Inspect personnel for compliance with military standards
- 1344. Interpret policies, directives, or procedures for subordinates
- 1345. Investigate accidents or incidents
- 1346. Plan layouts of facilities
- 1347. Review budget requirements
- 1348. Review mobility, contingency, disaster preparedness, or unit emergency or alert plans
- 1349. Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals
- 1350. Schedule personnel for TDY assignments, leaves, or passes
- 1351. Write inspection reports
- 1352. Write job or position descriptions
- 1353. Write staff studies, surveys, or routine reports, other than training or inspection reports
- 1354. Write or indorse civilian performance appraisals
- 1355. Write or indorse military performance reports
- 1356. Write recommendations for awards or decorations
- 1357. Write replies to inspection reports